



# Fujitsu LifeBook N3510 Optical Drive Replacement

Written By: Neil Daniels





## TOOLS:

- [Phillips #1 Screwdriver](#) (1)
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## Step 1 — Battery



- Start by locating the two clips on the bottom of the computer that support the battery.

## Step 2



- Use your fingers to push the clips inward and then upward.
- Lift the battery out of the computer.



## Step 3 — Hinge Cover



- Use a spudger to lift the back of the hinge cover on the left and right sides of the computer.

## Step 4



- Lay the computer flat on a stable surface with the monitor pointing away from you.




## Step 5



- Use a spudger to partially lift the hinge cover.

## Step 6



 The hinge cover has a ribbon cable that is attached to the motherboard. To prevent damage, lift the hinge cover slowly.

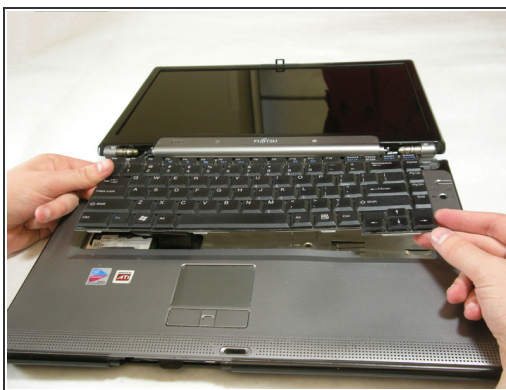
- Lift the hinge cover out of place enough to expose the ribbon cable.


## Step 7



- Disconnect the ribbon cable from the motherboard and remove the hinge cover from the computer.

## Step 8 — Keyboard



 The keyboard has a ribbon cable that is attached to the motherboard. To prevent damage, lift keyboard slowly.

- Lift the keyboard enough to expose the ribbon cable.



## Step 9



- Use a spudger to release the ribbon cable from the motherboard.

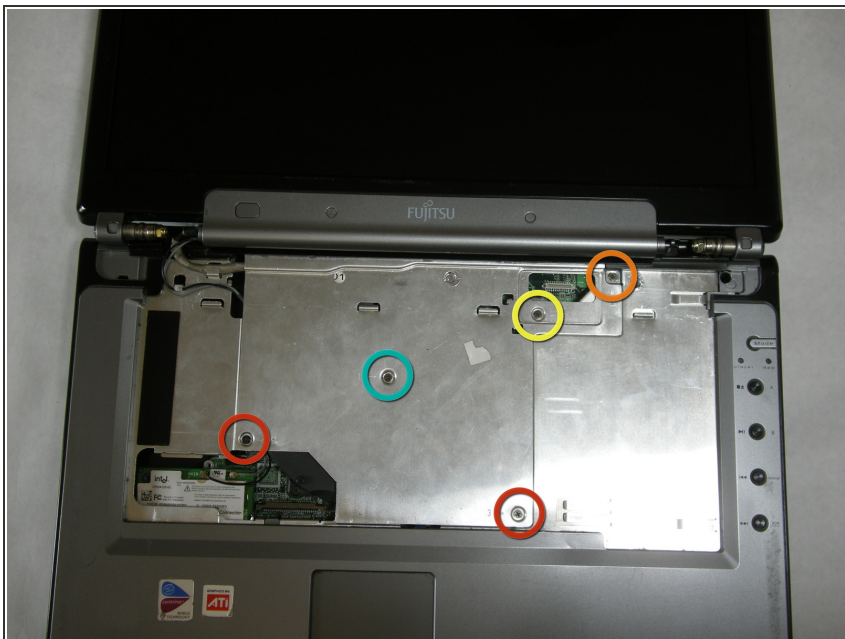
## Step 10



- Carefully remove the keyboard after the ribbon has been detached.



## Step 11 — Metal Motherboard Cover



- Remove the following screws, all labeled "3."
  - Two 8.63mm screws.
  - One 7.65mm screw.
  - One 5.74mm screw.
- Remove the following screw, labeled "15."
  - One 17.81mm screw.

## Step 12



- Lift the cover with fingers and remove.

## Step 13 — Display



- Remove labeled screws.

## Step 14



- Remove the screws from the bottom of the hinge as shown in the image.



## Step 15



- Use a spudger to detach and remove cables from the motherboard.

## Step 16



- Unplug shown cables from the wireless module.



## Step 17



- Position hands as shown and hold down the body of the computer. Proceed to lift the display up.

## Step 18 — Top Palm Rest Cover



- Remove the 4 labeled screws.

## Step 19



- Remove screws from bottom of laptop as shown in the picture.

## Step 20



- Lift the palm rest cover from the base of the laptop.
- You may use spudger if needed, lift from the front corners as shown.



## Step 21



- Great job! You have successfully removed the old palm rest cover.

## Step 22 — Optical Drive



- Remove the single screw labeled "5".



## Step 23



- Remove optical drive.

To reassemble your device, follow these instructions in reverse order.

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